

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| L4 | 19708 | (substrate with (germanium Ge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:20 |
| L5 | 4162 | (substrate with germanium) and (substrate with (gallium)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:20 |
| L6 | 451 | (substrate with germanium) and (substrate with gallium with aluminum with arsenide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:36 |
| L7 | 400 | L6 and @ad<"20040113" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:24 |
| L8 | 84 | L7 and (detect detector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:27 |
| L9 | 2 | L7 and (detect detector) and ((nm nanometer) with "2000") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:29 |
| L10 | 0 | L7 and (detect detector) and ((nm nanometer) with "21\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:29 |
| L11 | 0 | L7 and (detect detector) and ((nm nanometer) with "20\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:29 |

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| L12 | 0 | L7 and (detect detector) and ((nm nanometer) with "22\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L13 | 0 | L7 and (detect detector) and ((nm nanometer) with "23\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L14 | 0 | L7 and (detect detector) and ((nm nanometer) with "24\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L15 | 0 | L7 and (detect detector) and ((nm nanometer) with "25\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L16 | 0 | L7 and (detect detector) and ((nm nanometer) with "26\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L17 | 0 | L7 and (detect detector) and ((nm nanometer) with "27\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L18 | 0 | L7 and (detect detector) and ((nm nanometer) with "28\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |
| L19 | 1 | L7 and (detect detector) and ((nm nanometer) with "29\$2") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:30 |

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| L20 | 5 | substrate with germanium with ("2000" near4 (nm nanometer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/02 20:37 |
| S1 | 6729 | 385/14,129-132.ccls. and (@ad<"20040112" @rlad<"20040113") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/22 09:53 |
| S2 | 1608086 | (IC PIC (integrat\$3 near2 circuit\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:54 |
| S3 | 252352 | (semiconductor adj substrate\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:54 |
| S4 | 9298 | (circuit\$3 adj layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:55 |
| S5 | 37436 | (buffer adj layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:55 |
| S6 | 112 | (waveguide with (phosphate adj glass)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:56 |
| S7 | 112 | (waveguide with (phosphate adj glass)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:56 |

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| S8 | 5517 | (waveguide with (dope doping doped)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:56 |
| S9 | 0 | S1 and S2 and S3 and S4 and S5 and S7 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 09:57 |
| S10 | 23 | S1 and S7 and S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 10:04 |
| S11 | 4022 | 385/14.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 10:04 |
| S12 | 3932 | S11 and (@ad<"20040113" @rlad<"20040113") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 10:04 |
| S13 | 12 | S12 and (semiconductor with substrate) and ((phosph\$5 near4 glass) with waveguide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/22 10:53 |